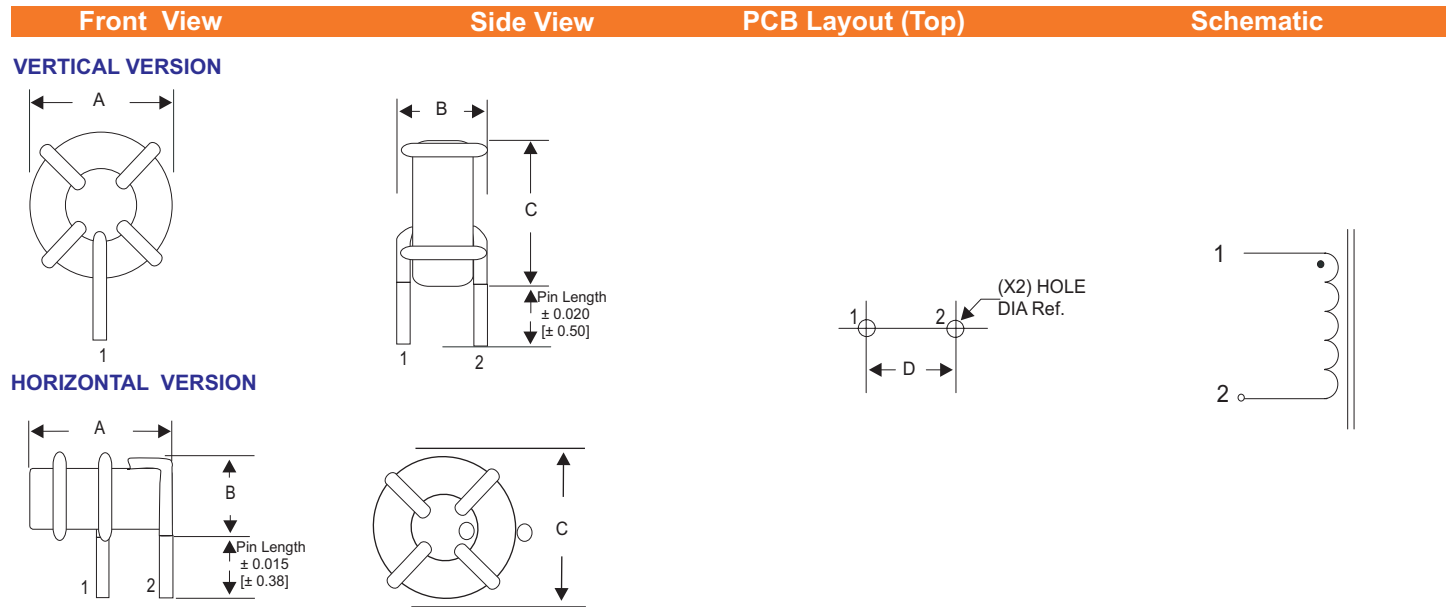


**MAX. DIM :**  
**L = 15.00 mm**  
**W= 9.00 mm**  
**H = 15.00 mm**

- For use in high frequency DC/DC converters.
- Low radiation.
- Low core loss
- Current handling up to 12.50 Amps.
- Energy storage of 180  $\mu$ J.

### MECHANICAL SPECIFICATIONS



INCHES [mm]

### ELECTRICAL SPECIFICATIONS

#### VERTICAL VERSION

RoHS PART NUMBER	OCL( $\mu$ H) <sup>1</sup>	TOL	Freq. (KHz)	DCR ( $\Omega$ max)	I rating <sup>2</sup> (Amp)	A max. in / mm	B max. in / mm	C max. in / mm	D Ref. in / mm	Pin Length in / mm	Hole Dia. in / mm
*T03814	1.20	$\pm 20\%$	1	0.0040	12.50	0.591 / 15.00	0.354 / 9.00	0.591 / 15.00	0.256 / 6.50	0.197 / 5.00	0.055 / 1.40
T03829	2.40	$\pm 20\%$	100	0.0056	9.50	0.563 / 14.30	0.315 / 8.00	0.563 / 14.30	0.217 / 5.50	0.138 / 3.50	0.042 / 1.07
T03807	3.00	$\pm 20\%$	1	0.0080	9.00	0.551 / 14.00	0.354 / 9.00	0.551 / 14.00	0.236 / 6.00	0.157 / 4.00	0.042 / 1.07
T03828	4.90	$\pm 20\%$	100	0.0092	8.00	0.563 / 14.30	0.315 / 8.00	0.563 / 14.30	0.217 / 5.50	0.138 / 3.50	0.040 / 1.02

#### HORIZONTAL VERSION

RoHS PART NUMBER	OCL( $\mu$ H) <sup>1</sup>	TOL	Freq. (KHz)	DCR ( $\Omega$ max)	I rating <sup>2</sup> (Amp)	A max. in / mm	B max. in / mm	C max. in / mm	D Ref. in / mm	Pin Length in / mm	Hole Dia. in / mm
*T03827	7.06	$\pm 15\%$	10	0.0079	7.20	0.510 / 12.95	0.354 / 9.00	0.551 / 14.00	0.236 / 6.00	0.157 / 4.00	0.042 / 1.07

1. Inductance tested at 1.0 V. \*Tested at 0.25 V.
2. Temperature rise is 40°C Typ.
3. Operating Temp. range -40° to +105°C.



RoHS COMPLIANT PRODUCT

### INDUCTANCE vs CURRENT

